



Scale: 1 inch = 1 mile

0 1 2 Miles

Massachusetts National Guard
Environmental & Readiness Center
(508) 968-5143

Plume boundaries for TCE/PCE and EDB/Benzene are based on the most recent annual reports by CH2M HILL and Jacobs Engineering Group Inc.. Plume boundaries for RDX/Explosives are provided by AMEC.

Groundwater Findings Massachusetts Military Reservation August 2004

MCL - Maximum Contaminant Level for drinking water
MMCL - Massachusetts MCL
ppb - parts per billion
TCE - Trichloroethylene - a solvent
PCE - Tetrachloroethylene - a solvent
EDB - Ethylene Dibromide - a fuel additive
RDX - Royal Demolition Explosive - an explosive compound
Perchlorate - A water soluble salt used as an oxidizer

IRP plumes are named for source areas, abbreviated as follows:
FS = Fuel Spill
CS = Chemical Spill
LF = Landfill
SD = Storm Drain

GLOSSARY - See Reverse

Chlorinated Solvents Plume -
Concentrations Exceed MCLs
TCE MCL = 5.0 ppb PCE MCL = 5.0 ppb

EDB Plume -
Concentrations Exceed MMCL
EDB MMCL = 0.02 ppb

RDX Plume -
Concentrations Exceed EPA Health Advisory Levels
RDX Health Advisory Level = 2.0 ppb

Perchlorate Plume -
Perchlorate Detected Between 1.0 and 4.0 ppb

Perchlorate Plume -
Perchlorate Detected Above 4.0 ppb

Existing Municipal Water Supply Well

Proposed Municipal Water Supply Well

RDX Detection Above 2.0 ppb

Perchlorate Detection Above 4.0 ppb

Perchlorate Detection Between 1.0 ppb and 4.0 ppb

Impact Area Boundary

Town Boundary

Note: The FS-12 plume depiction is a composite of EDB and Benzene (Benzene MCL = 5 ppb)